Amendments to the Claims:

1-21. (Cancelled)

22. (Currently Amended) A method for modulating the level of tocopherol [phytyl/prenyltransferase protein] in a plant, comprising:

(a) stably transforming a plant cell with a [phytyl/prenyltransferase] polynucleotide operably linked to a promoter, [wherein the polynucleotide is in sense or antisense orientation;] wherein the polynucleotide is selected from the group consisting of;

i) a polynucleotide comprising the sequence set forth in SEQ ID NO: 3,

ii) polynucleotide that encodes the polypeptide of SEQ ID NO: 4,

iii) a polynucleotide having at least 70% sequence identity to SEQ ID NO:3, wherein the % identity is based on the entire coding sequence and is determined by GAP using default parameters,

iv) a polynucleotide which selectively hybridizes, under stringent hybridization conditions and a wash in 2X SSC at 50°C, to a hybridization probe the polynucleotide sequence of which consists of SEQ ID NO: 3,and

v) a polynucleotide complementary to a polynucleotide of (i) through (iv);

(b) growing the plant cell under plant growing conditions to produce a regenerated plant which expresses the polynucleotide for a time sufficient to modulate the level of tocopherol [phytyl/prenyltransferase protein] in the plant.

23. (Currently Amended) The method of claim 22, wherein the [phytyl/prenyltransferase] polynucleotide comprises the sequence set forth in SEQ ID NO: 3.

24. (Previously Amended) The method of claim 22, wherein the plant is corn, soybean, sunflower, sorghum, canola, wheat, alfalfa, cotton, rice, barley, millet, *Arabidopsis thaliana*, tomato, *Brassica*, pepper, potato, apple, spinach, or lettuce.

25. (Currently Amended) The method of claim 22, wherein tocopherol [phytyl/prenyltransferase protein] is increased.

26. (Currently Amended) The method of claim 22, wherein tocopherol [phytyl/prenyltransferase protein] is decreased.

27-30. (Cancelled)

31. (Currently Amended) The method of claim 22, wherein the [phytyl/prenyltransferase] polynucleotide comprises a member selected from the group consisting of:

(a) a polynucleotide having at least 70% sequence identity to the entire coding sequence of SEQ. ID NO:3, wherein the % sequence identity is determined by GAP using default parameters, and

(b) a polynucleotide complimentary to a polynucleotide of (a).

32. (Currently Amended) The method of claim 22, wherein the [phytyl/prenyltransferase] polynucleotide comprises a member selected from the group consisting of:

(a) a polynucleotide that encodes a polypeptide of SEQ ID NO: 4;

(b) a polynucleotide comprising the sequence set forth in SEQ ID NO: 3; and

(c) a polynucleotide complementary to a polynucleotide of (a) or (b).

33. (Currently Amended) The method of claim 22, wherein the [phytyl/prenyltransferase] polynucleotide comprises a polynucleotide which selectively hybridizes, under stringent hybridization conditions and a wash in 2X SSC at 50°C, to a hybridization probe, the polynucleotide sequence of which consists of the coding sequence of SEQ ID NO: 3.

34-39. (Cancelled)